

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
 Data File : BF117894.D
 Acq On : 20 Nov 2019 15:45
 Operator : JU
 Sample : K5918-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUM

Manual Integrations
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Quant Time: Nov 21 03:32:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	144276	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	571858	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	304578	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	553979	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	315759	20.00	ng	-0.01
87) Perylene-d12	15.62	264	374164	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	767016	94.10	ng	0.00
7) Phenol-d6	6.54	99	1004460	102.17	ng	0.00
23) Nitrobenzene-d5	7.47	82	612055	63.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	303740	94.20	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1036761	61.07	ng	-0.01
79) Terphenyl-d14	13.04	244	1102767	63.83	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.67	163	245943	11.515	ng	96
71) Phenanthrene	11.48	178	99174	3.561	ng	96
75) Fluoranthene	12.67	202	238229	2.243	ng	99
78) Pyrene	12.90	202	204767	8.024	ng	98
81) Benzo(a)anthracene	14.09	228	98226	4.708	ng	100
83) Chrysene	14.13	228	89920	4.447	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	52314	3.040	ng	96
88) Benzo(b)fluoranthene	15.16	252	141085m	5.804	ng	
90) Benzo(a)pyrene	15.54	252	90519	4.235	ng	100
92) Benzo(g,h,i)perylene	17.60	276	48613	2.653	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

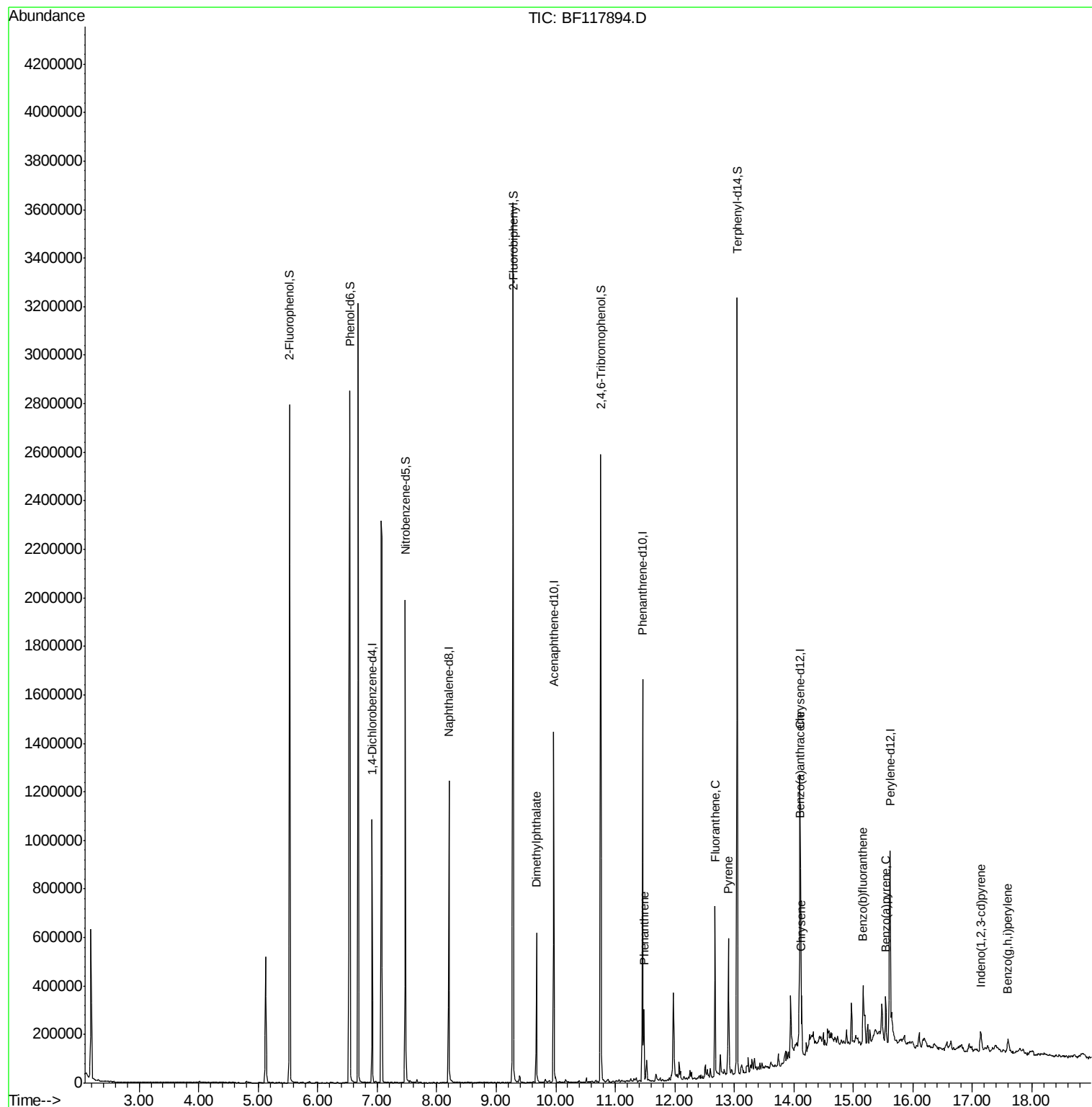
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
Data File : BF117894.D
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Operator : JU
Sample : K5918-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

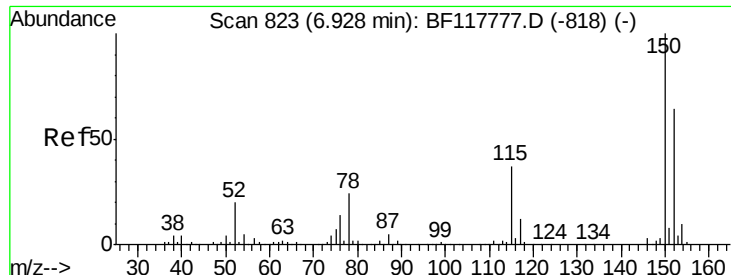
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

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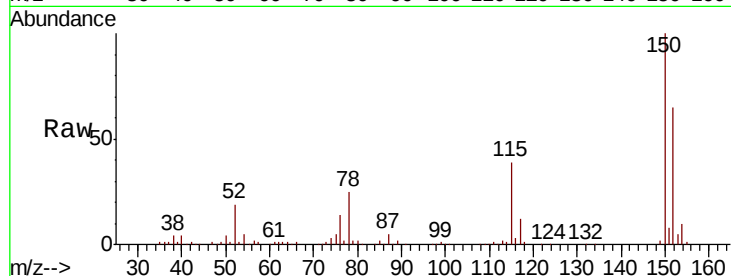
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF117894.D
 Acq: 20 Nov 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	125.3	187.9
115	60.2	47.0	70.4

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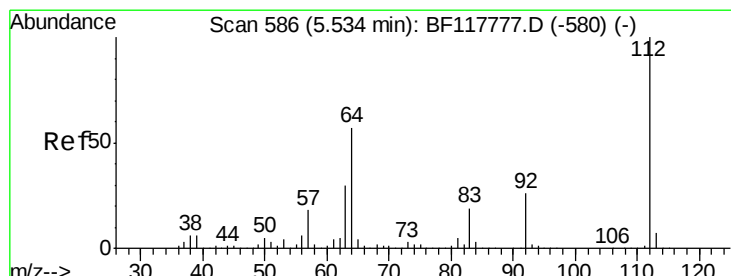
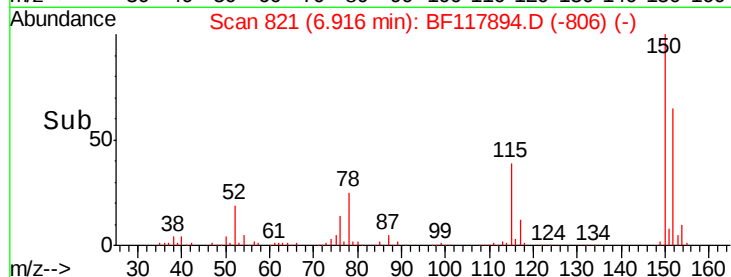
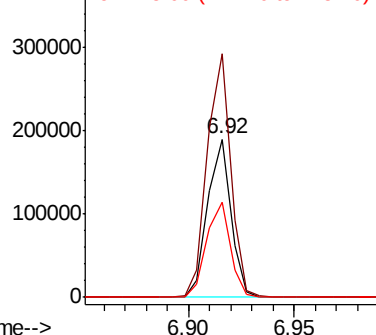


Abundance

Ion 152.00 (151.70 to 152.70): E

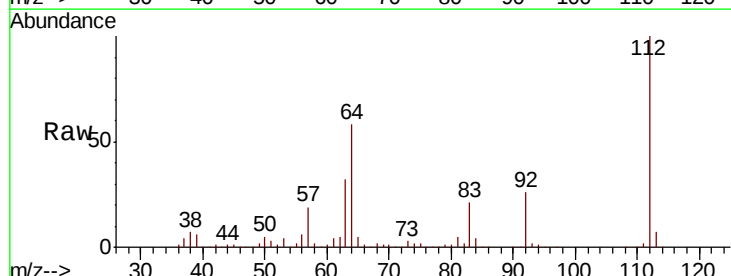
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 94.104 ng
 RT: 5.53 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF117894.D
 Acq: 20 Nov 2019 15:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	45.6	68.4
63	32.0	24.1	36.1

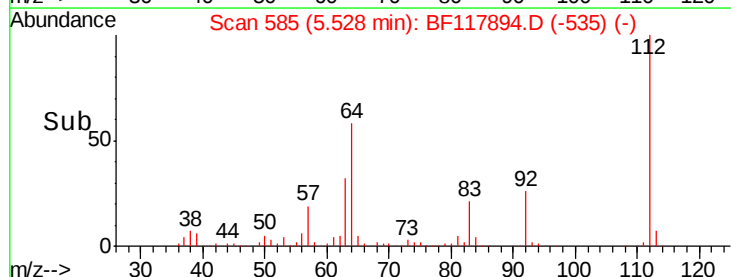
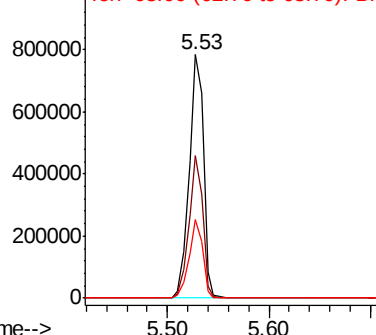


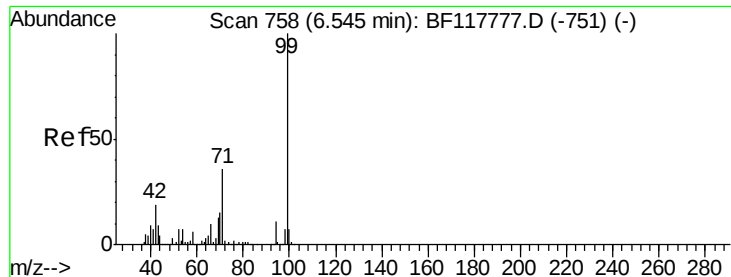
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.172 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUM

Tot Ion: 99 Resp: 1004460

Ion Ratio Lower Upper

99 100

42 17.8 14.9 22.3

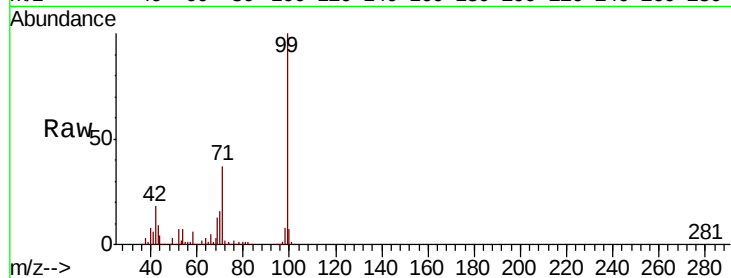
71 36.8 28.6 43.0

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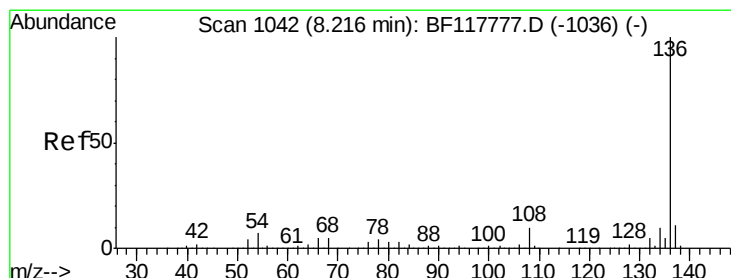
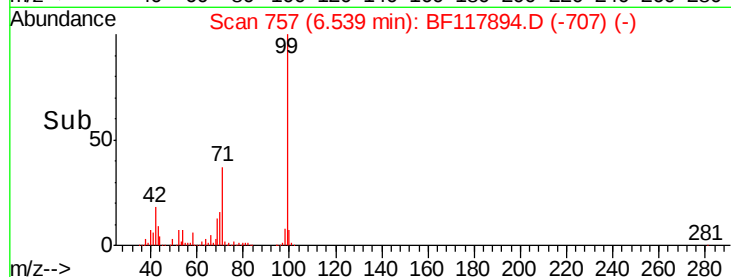
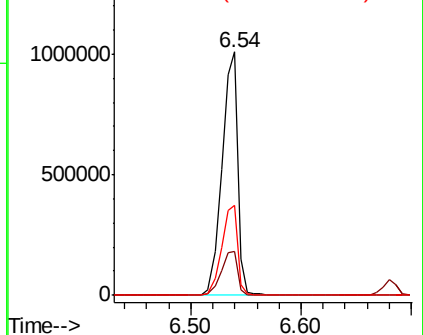
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Tgt Ion: 136 Resp: 571858

Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.3 5.4 8.2

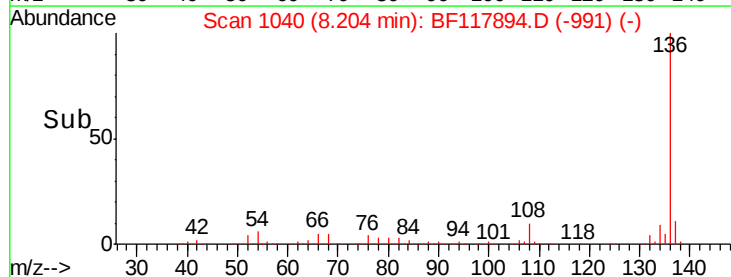
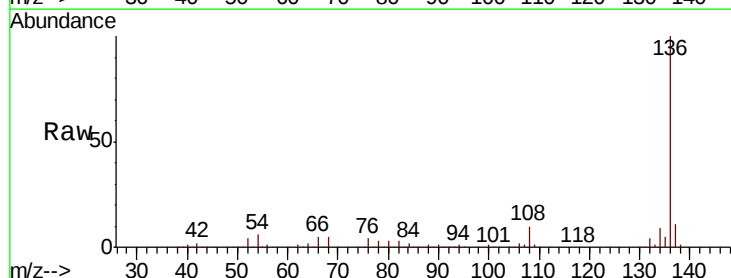
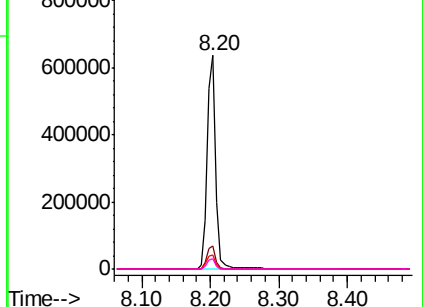
68 4.6 4.3 6.5

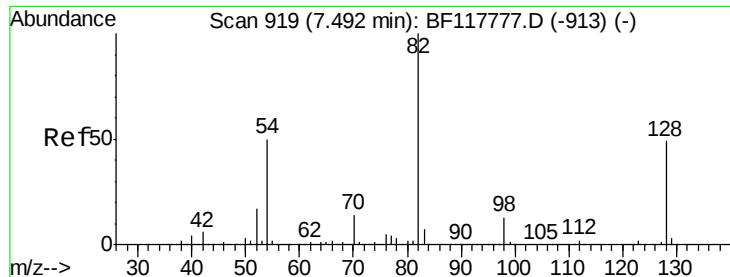
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





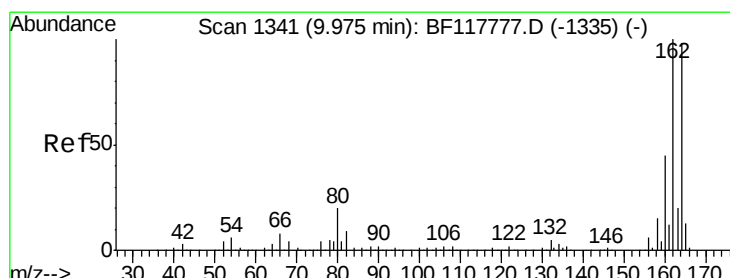
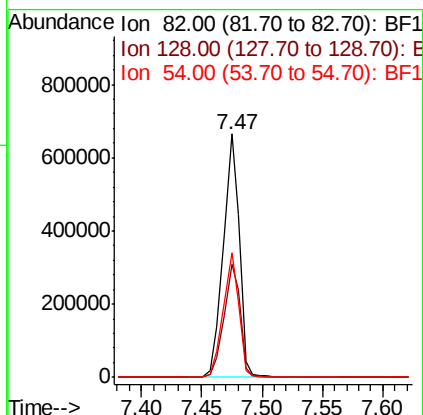
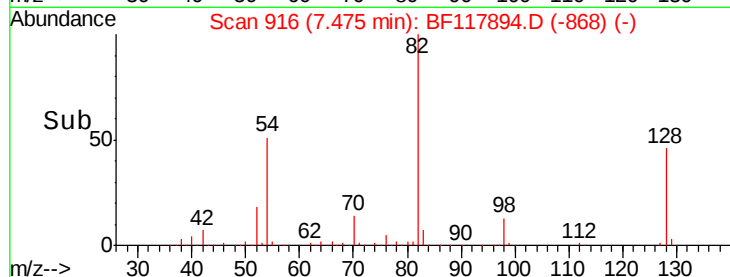
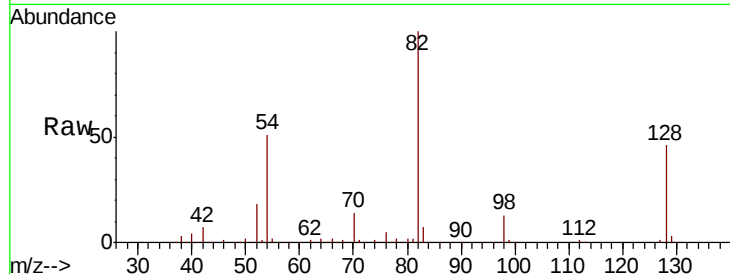
#23
Nitrobenzene-d5
Concen: 63.624 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	38.9	58.3
54	51.2	39.8	59.6

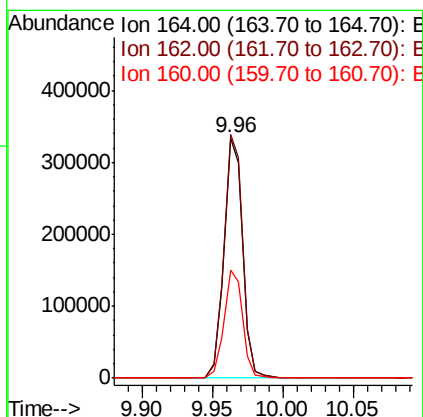
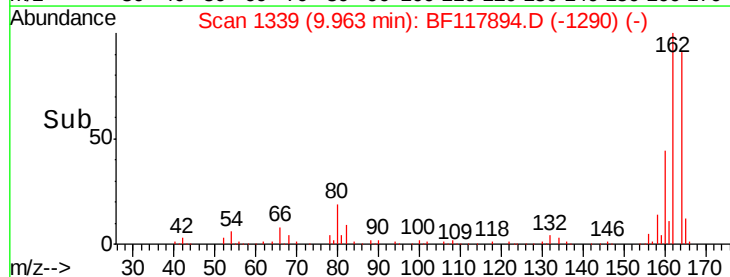
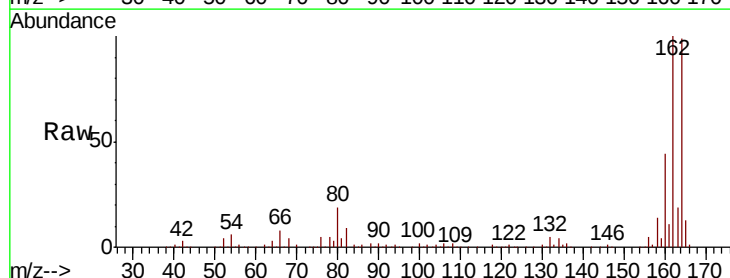
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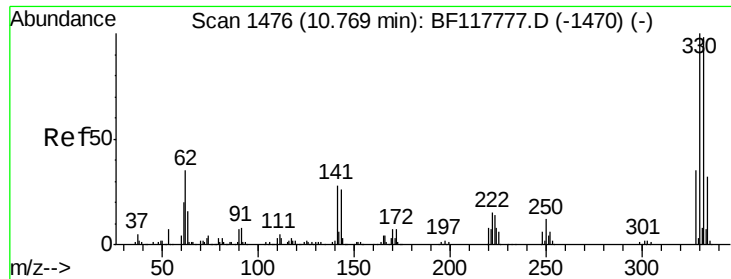
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	44.7	36.6	55.0





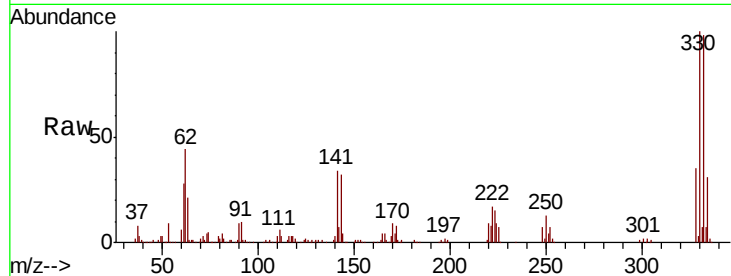
#42
 2,4,6-Tribromophenol
 Concen: 94.197 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF117894.D
 Acq: 20 Nov 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUM

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	76.7	115.1	
141	35.8	27.7	41.5	

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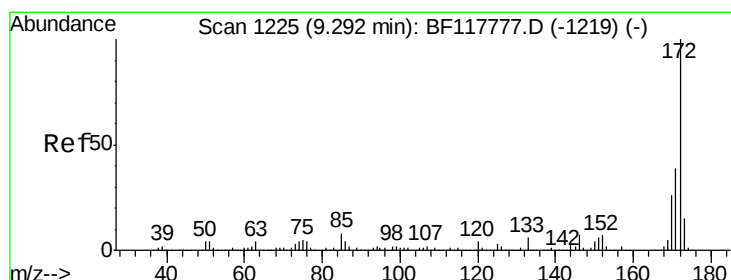
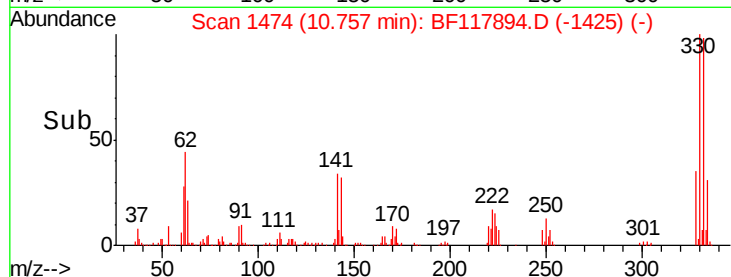
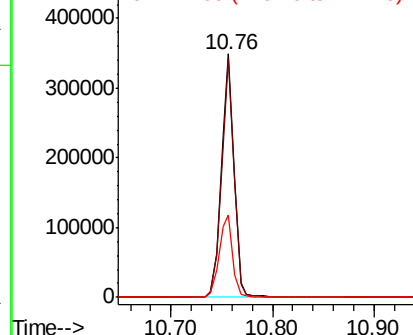


Abundance

Ion 329.80 (329.50 to 330.50): E

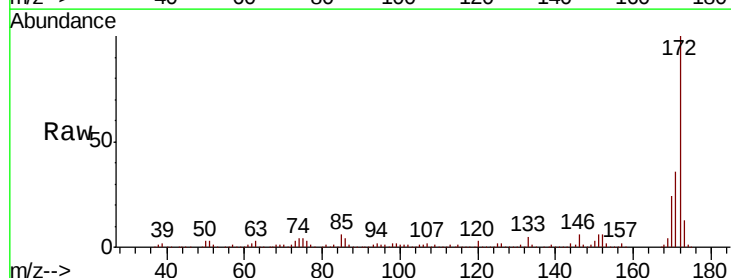
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 61.068 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF117894.D
 Acq: 20 Nov 2019 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	30.9	46.3	
170	24.3	21.0	31.4	

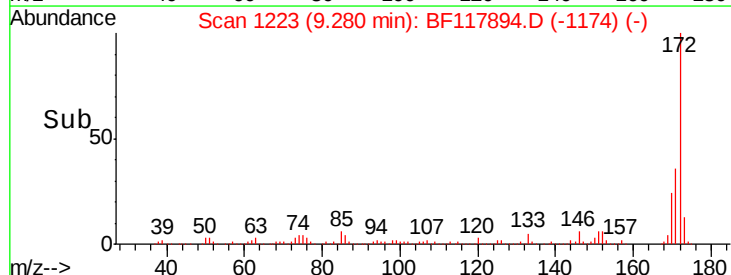
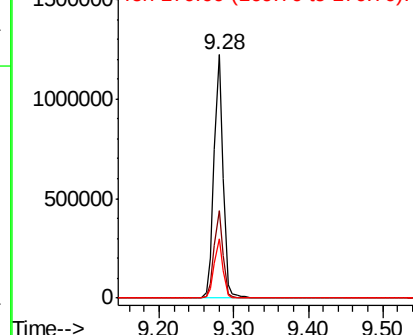


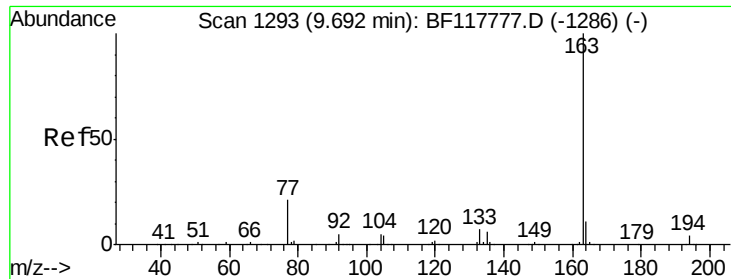
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.515 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Instrument :

BNA_F

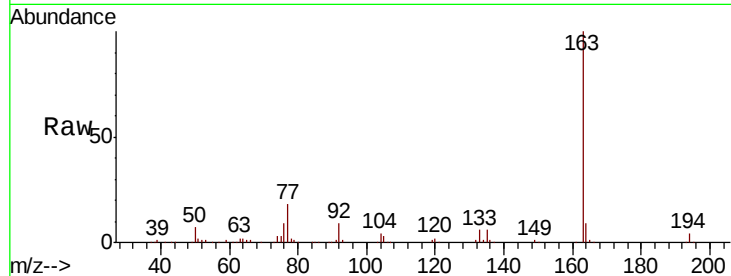
ClientSampleId :

SOIL-DRUM

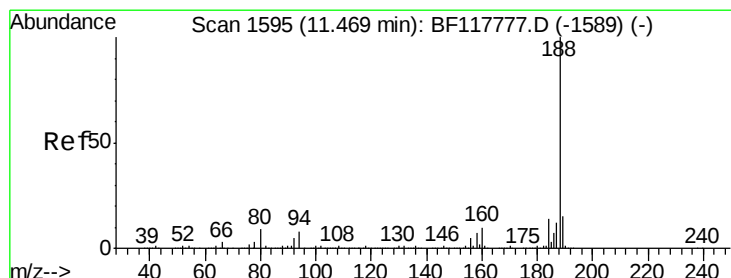
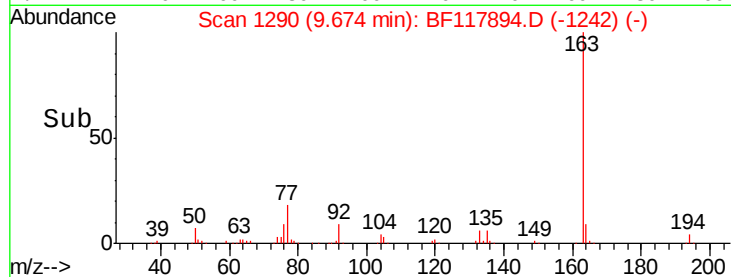
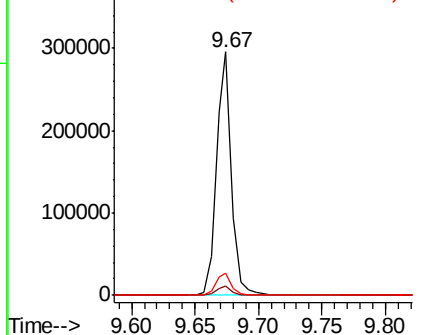
Tot Ion:	163	Resp:	245943
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.3	4.9
164	9.2	8.7	13.1

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

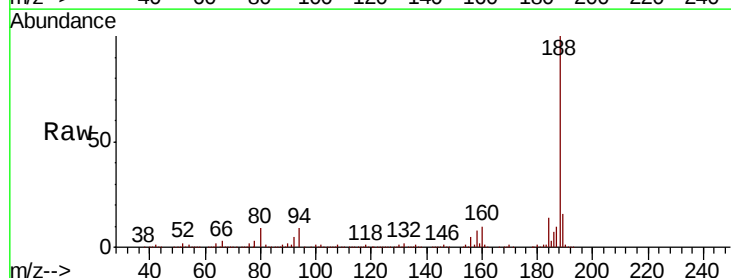
RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

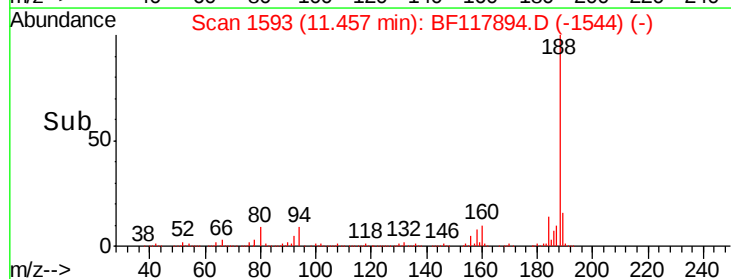
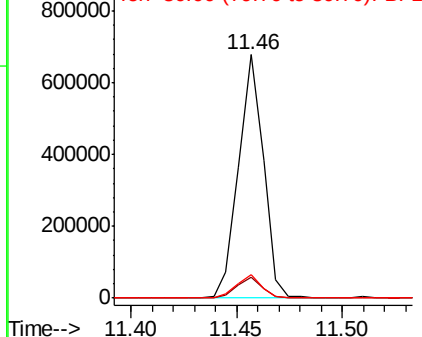
Lab File: BF117894.D

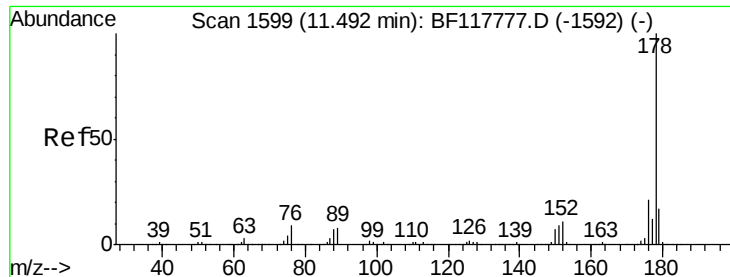
Acq: 20 Nov 2019 15:45

Tgt Ion:	188	Resp:	553979
Ion Ratio	Lower	Upper	
188	100		
94	8.6	6.6	10.0
80	9.4	7.2	10.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





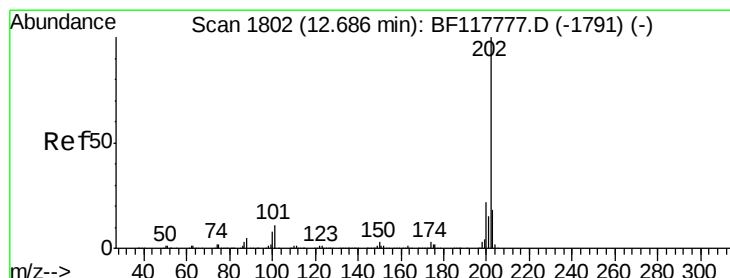
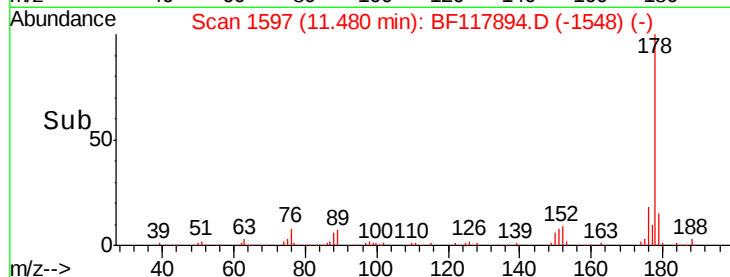
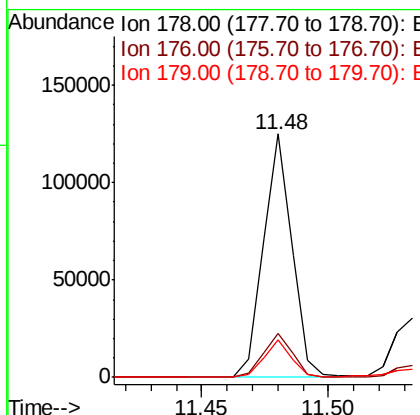
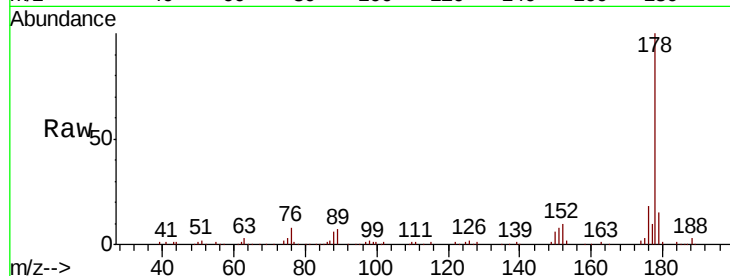
#71
Phenanthrene
Concen: 3.561 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.6	25.0
179	15.2	13.2	19.8

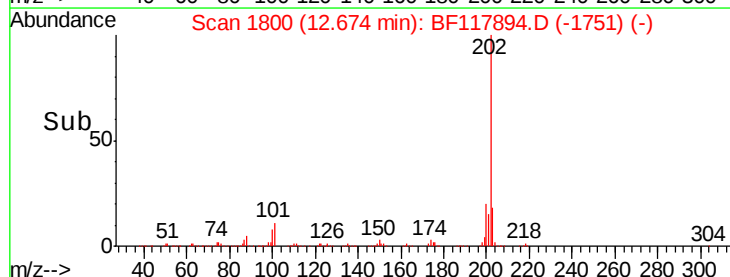
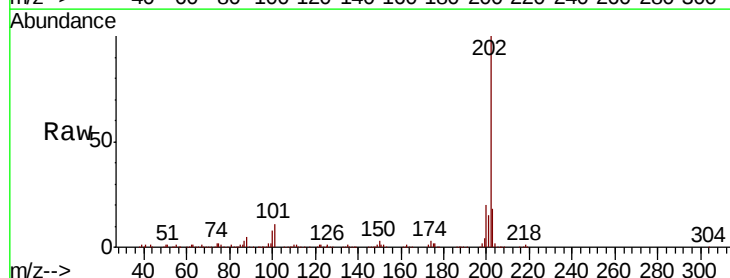
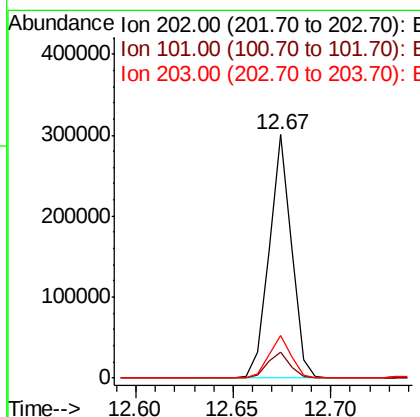
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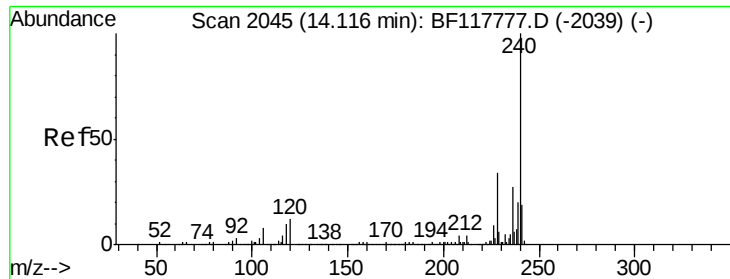
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#75
Fluoranthene
Concen: 2.243 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.1
203	17.7	0.0	38.2





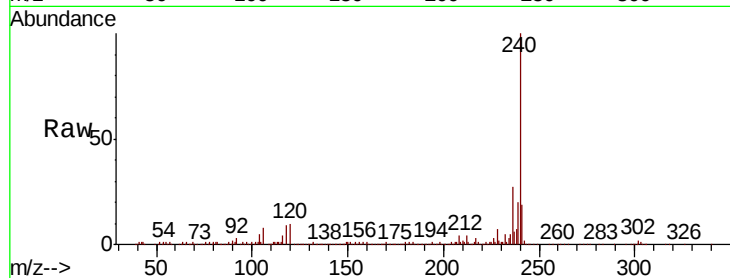
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	26.7	21.3	31.9

Manual Integrations
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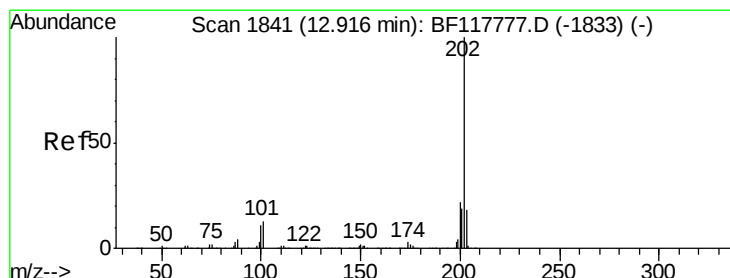
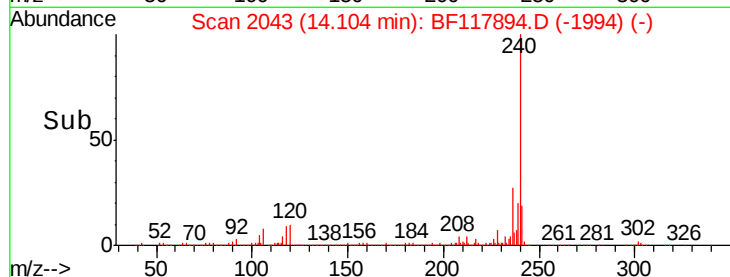
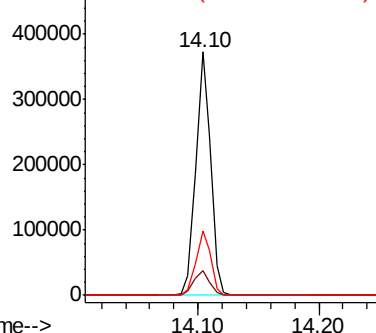


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 8.024 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

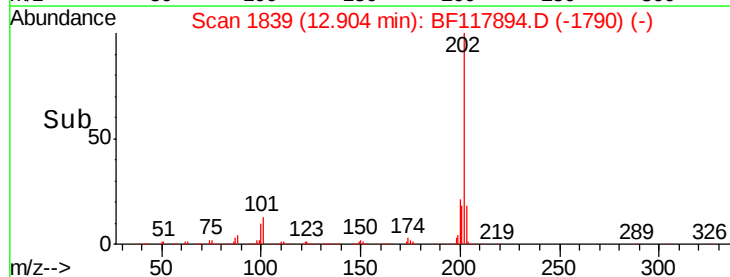
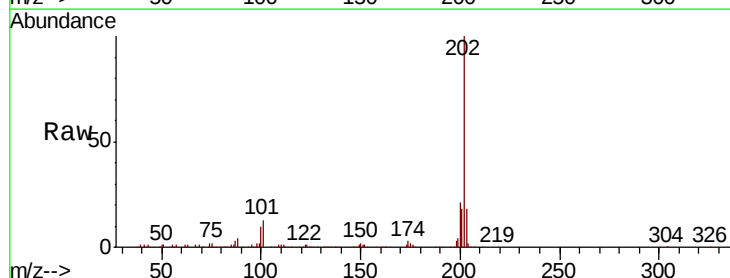
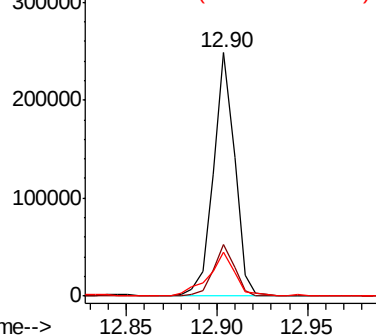
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.8
203	17.8	14.6	22.0

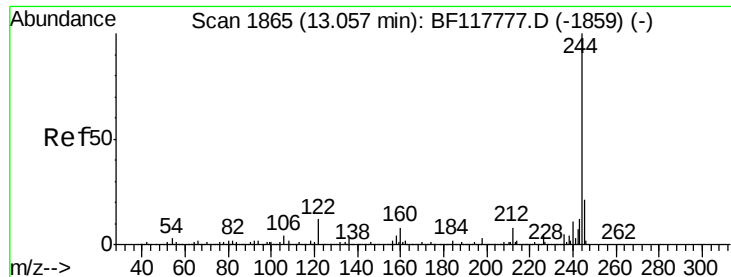
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.828 ng

RT: 13.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUM

Tot Ion:244 Resp: 1102767

Ion Ratio Lower Upper

244 100

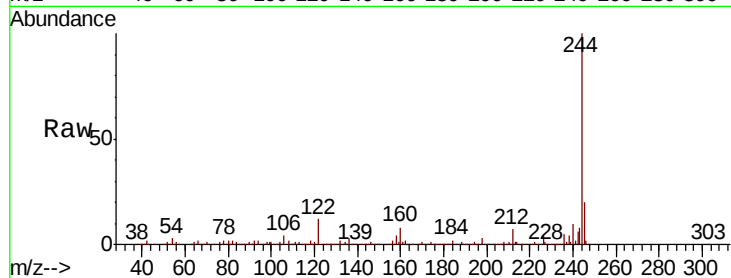
212 7.3 6.3 9.5

122 11.9 9.4 14.2

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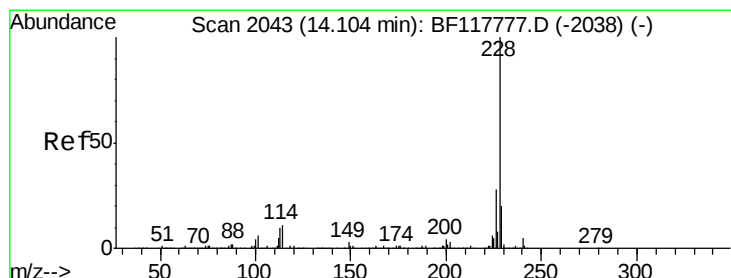
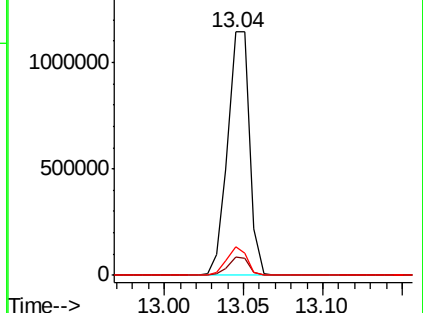
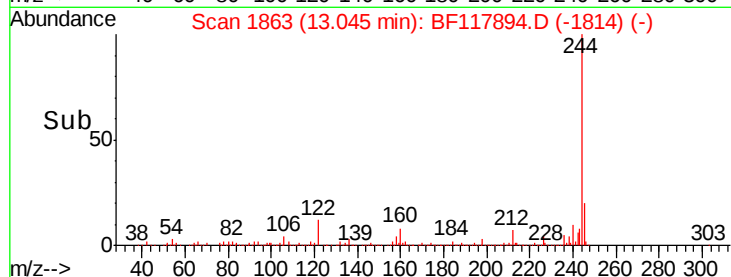
11/21/2019 1:05:15 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.708 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

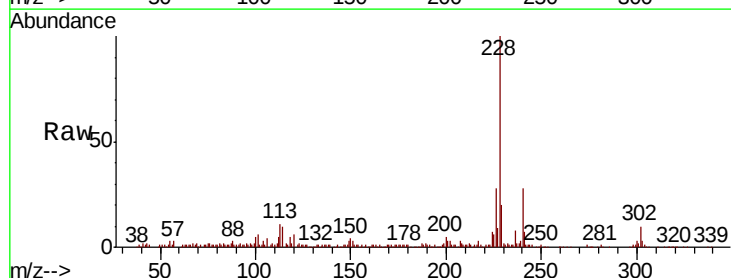
Tgt Ion:228 Resp: 98226

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.2

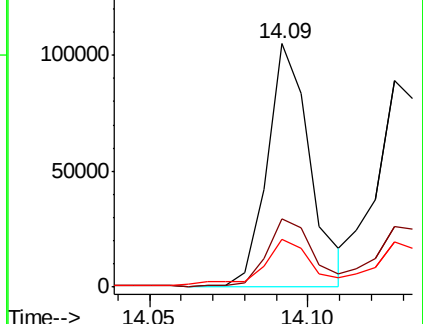
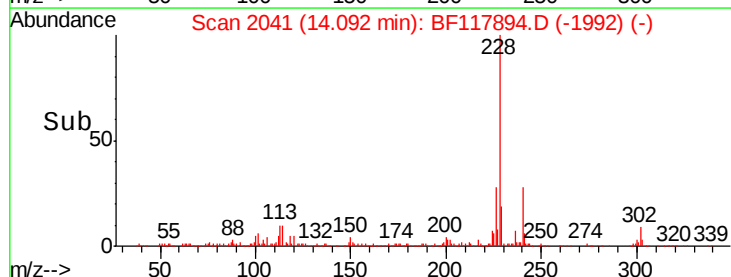
229 19.9 15.9 23.9

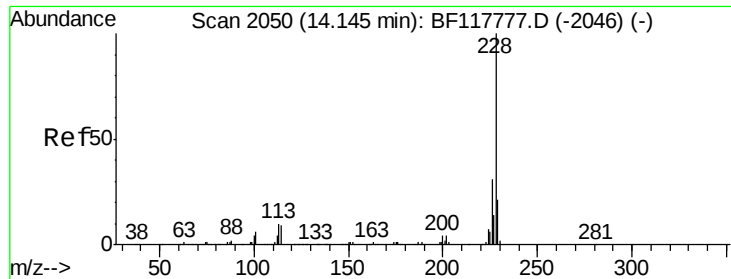


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





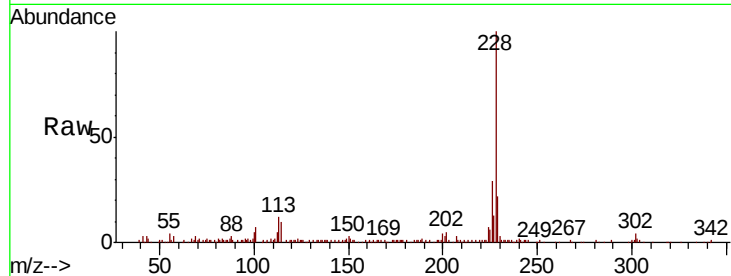
#83
Chrysene
Concen: 4.447 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

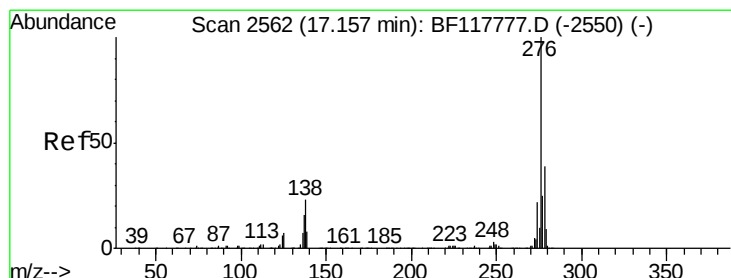
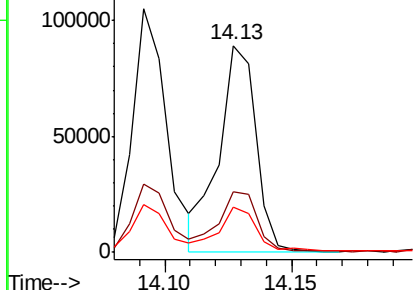
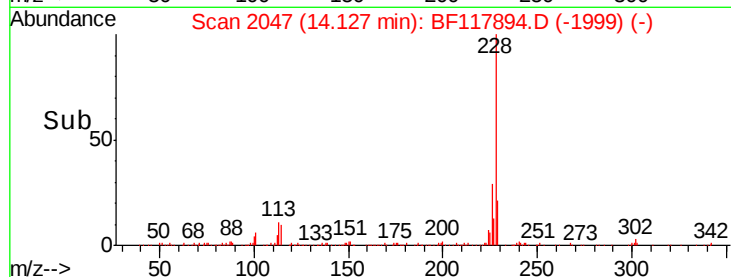
Tot Ion:	228	Resp:	89920
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.0	37.4
229	22.0	16.6	25.0

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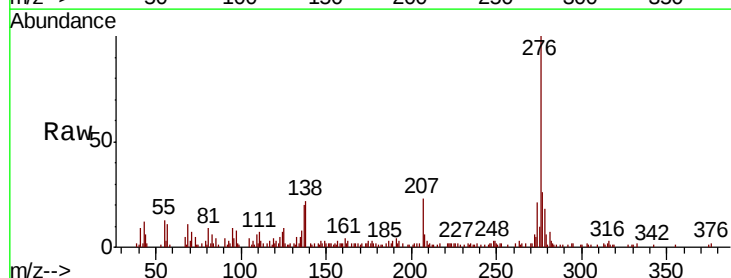


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

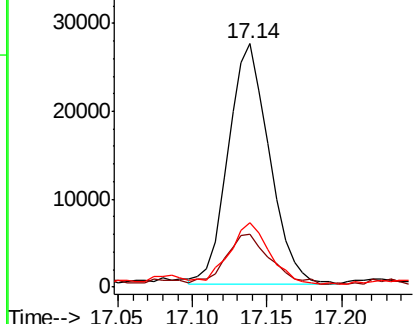
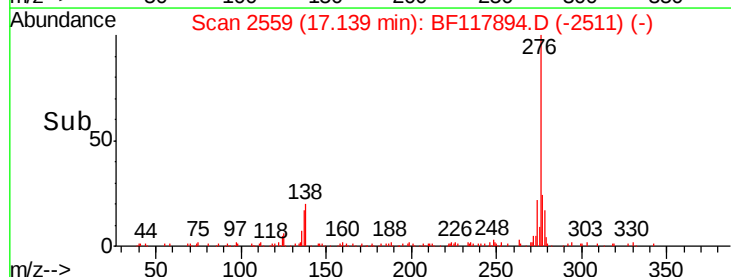


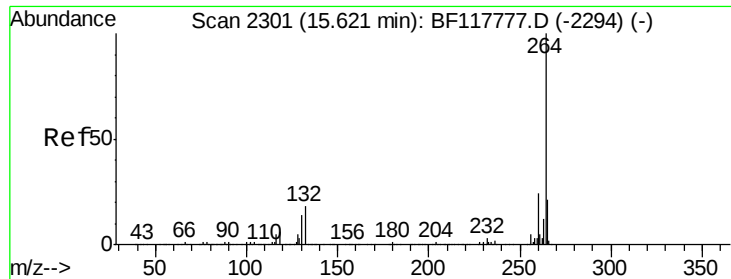
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.040 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.02 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Tgt Ion:	276	Resp:	52314
Ion Ratio	Lower	Upper	
276	100		
138	22.2	20.9	31.3
277	25.3	20.3	30.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





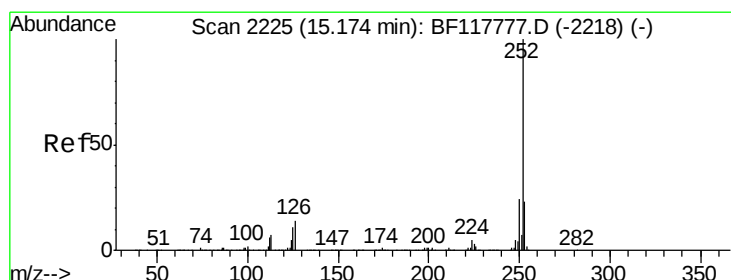
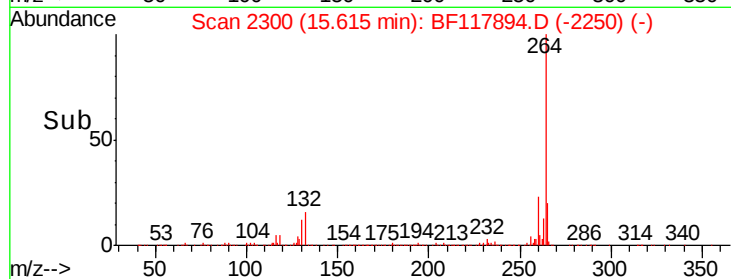
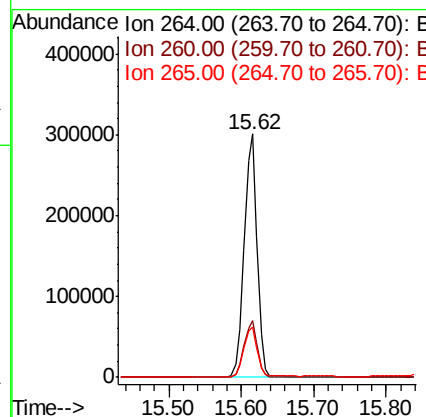
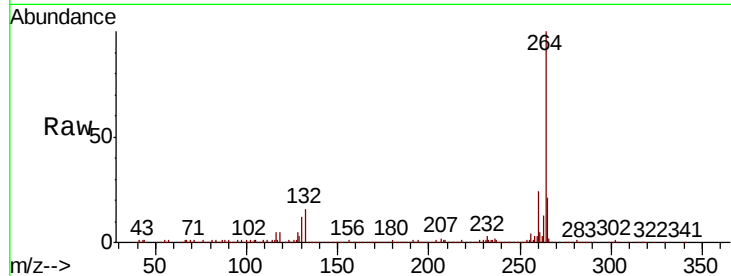
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	20.6	17.1	25.7

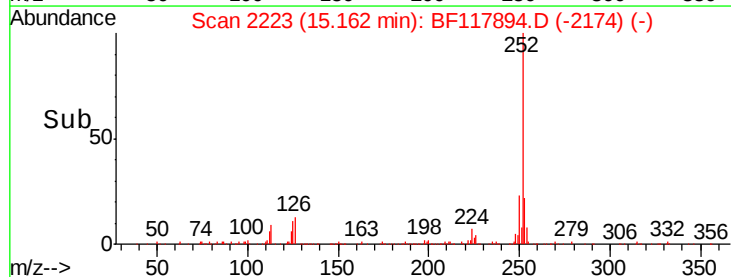
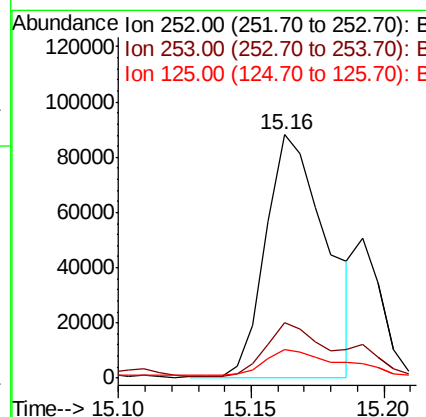
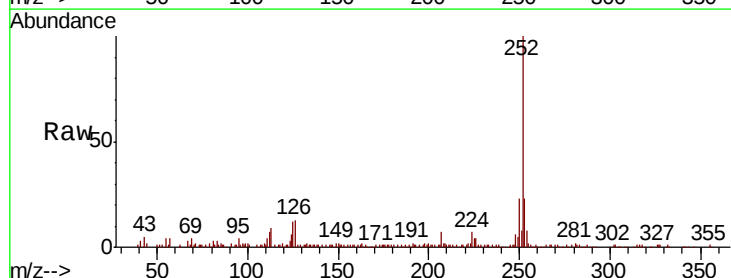
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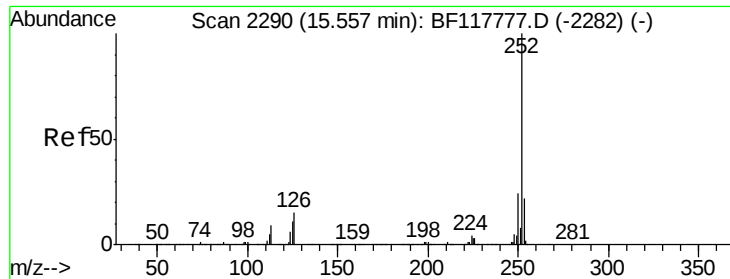
mohammad
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#88
Benzo(b)fluoranthene
Concen: 5.804 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.0	8.6	13.0





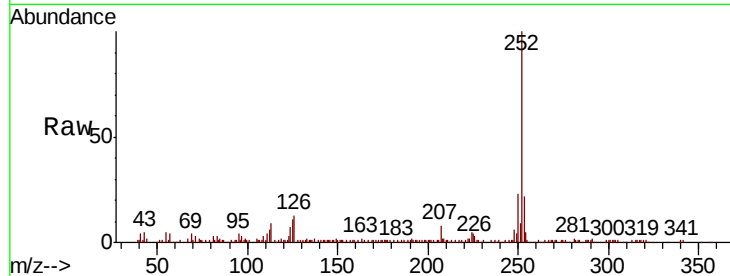
#90
Benzo(a)pyrene
Concen: 4.235 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampled :
SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.3	9.2	13.8

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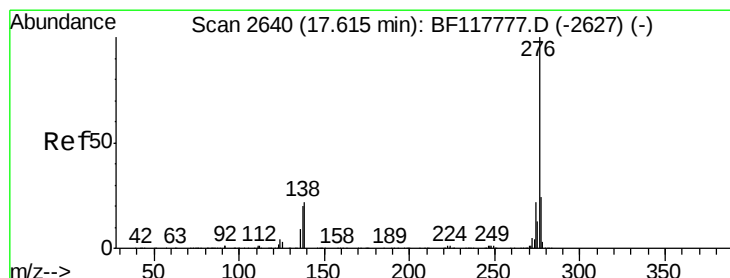
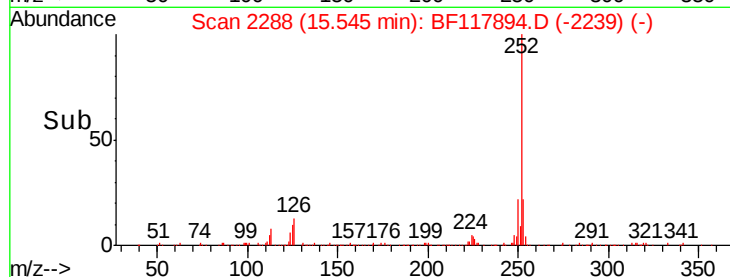
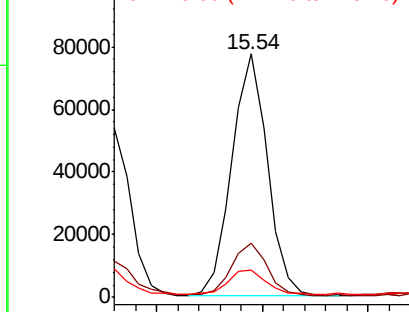


Abundance

Ion 252.00 (251.70 to 252.70): E

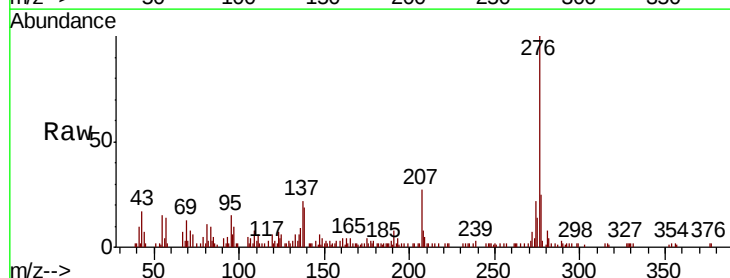
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.653 ng
RT: 17.60 min Scan# 2637
Delta R.T. -0.02 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.9	28.3
138	19.3	17.4	26.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

